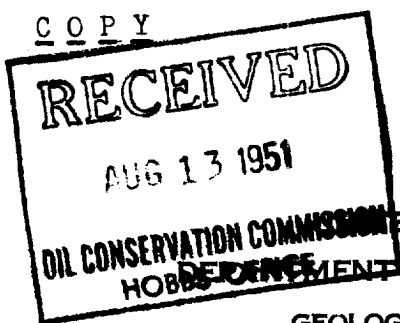
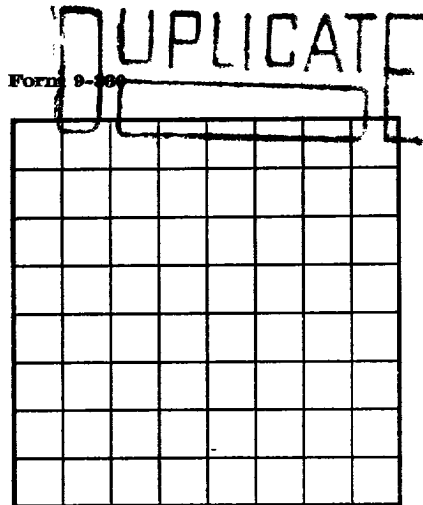




Bureau No. 42-R355.1.
Expires 11-30-49.

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 030132-A

LEASE OR PERMIT TO PROSPECT Lease

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Empire Oil & Refining Company Address Bartlesville, Oklahoma

Lessor or Tract Closson Field South Eunice State New Mexico

Well No. 2 Sec. 6 T. 22 R. 36 Meridian NMPM County Lea

Location 1980 ft. [N.] of Line and 660 ft. [E.] of Line of 6-22-36 Elevation 3581
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____ Title Division Sup't.

Date September 9, 1936

The summary on this page is for the condition of the well at above date.

Commenced drilling July 20, 1936 Finished drilling August 24, 1936

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3030 to 3041 G No. 4, from 3493 to 3557 0

No. 2, from 3161 to 3167 G No. 5, from 3600 to 3605 0

No. 3, from 3430 to 3445 G No. 6, from 3760 to 3816 0

IMPORTANT WATER SANDS

No. 1, from 135 to 230 No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12 1/2	40	9	IW	260	---	---	---	---	---
8 5/8	50	16	IW	1200	Float	---	---	---	---
6 3/4	65	14	US	3760	Float	---	---	---	---
2 1/2	6.5	10	US	3816	Packer set at 3798'	with perforations above	---	---	---

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12 1/2	260	225	Halliburton	---	---
9-5/8	3024	850	"	---	---
7	3760	200	"	---	---

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
This well was not shot or acidized						

TOOLS USED

Rotary tools were used from --- feet to 3816 feet, and from --- feet to --- feet

Cable tools were used from --- feet to --- feet, and from --- feet to --- feet

DATES

Put to producing August 28, 1936

The production for the first 24 hours was 238 barrels of fluid of which 94 % was oil; --- % emulsion; 6 % water; and --- % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. C. George, Driller H. H. Sutton, Driller

Pat Ballew, Driller R. D. Underwood, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
40	40	40	Caliche
40	135	95	Sand and boulders
135	230	95	Water Sand
230	284	54	Red Bed
284	757	475	Red bed and boulders
757	1063	306	Red bed and sand
1063	1394	331	Red rock and gyp
1394	1476	82	Red shale and anhydrite streaks
1476	1532	56	Red rock and broken anhydrite
1532	1599	67	Anhydrite
1599	1607	8	Salt

Formation record continued on back of sheet.

LEASE OR PERMIT TO PROSPECT _____
SERIAL NUMBER _____
U. S. LAND OFFICE _____

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NATIONAL SYSTEM OF PUBLIC LANDS
HOBBS, NEW MEXICO
OIL CONSERVATION COMMISSION
UNITED STATES

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

Company _____
 Lessor or Trust _____
 Well No. _____ Sec. _____ T. _____ R. _____
 Location _____ of _____ line and _____ line of _____
 Elevation _____
 (Ditto: foot relative to sea level)
 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.
 signed _____
 Date _____ Title _____
 The summary on this page is for the condition of the well at above date.
 Commenced drilling _____ 19____
 Finished drilling _____ 19____

Oil or Gas Sands or Zones

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No. 1 from	to	No. 1 from	to
No. 2 from	to	No. 2 from	to
No. 3 from	to	No. 3 from	to
No. 4 from	to	No. 4 from	to
No. 5 from	to	No. 5 from	to
No. 6 from	to	No. 6 from	to
No. 7 from	to	No. 7 from	to
No. 8 from	to	No. 8 from	to
No. 9 from	to	No. 9 from	to

IMPORTANT WATER SANDS

No. 1 from _____ to _____
 No. 2 from _____ to _____
 No. 3 from _____ to _____
 No. 4 from _____ to _____
 No. 5 from _____ to _____
 No. 6 from _____ to _____
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 No. 95 from _____ to _____
 No. 96 from _____ to _____
 No. 97 from _____ to _____
 No. 98 from _____ to _____
 No. 99 from _____ to _____
 No. 100 from _____ to _____

CREATING RECORD

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "backtracked," or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U.S. GOVERNMENT PRINTING OFFICE

SECRET

[illegible]

SHOOTING RECORD

Size	Shells used	Apparatus used	Diameter	Date	Depth shot	Depth cleaned out
3810	3816		6		Total depth 3816'	
3806	3810		7		Gas sand	
3785	3806		21		Time and sand	
3779	3785		9	feet to	Time feet and from	feet to
3760	3779		16	feet to	Hard Gray lime feet and from	feet to

WINDS - 12-20-68

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
3810		3816	6			Total Depth 3816'
3806		3810	7			
3785		3806	21			
3779	Tools were used from	3785	9		Time feet and sand	feet to
3760	Tools were used from	3779	16		Hard Gray Time feet and from	feet to

DATE _____

Red shale and salt	73	1680	1607
Anhydrite and salt	47	2127	1680
Anhydrite	48	2175	2127
Salt and potash	153	2328	2328
Anhydrite and streaks salt	47	2372	2372
Anhydrite and salt	190	2562	2562
Anhydrite	8	2570	2562
Anhydrite	109	2679	2570
Salt and potash	60	2739	2679
Salt and anhydrite	70	2809	2739
Salt and Potash	91	2900	2809
Anhydrite	35	2935	2900
Anhydrite and salt	40	2975	2935
Anhydrite	1	2976	2975
Gyp	41	3017	2976
Anhydrite	11	3028	3017
Anhydrite and Gyp	2	3030	3028
Brown lime	30	3060	3030
Anhydrite (Show Gas 3030-3041)	30	3075	3060
Brown lime	15	3075	3075
Anhydrite	26	3101	3075
Anhydrite	51	3152	3101
Anhydrite and lime.	51	3157	3152
Gyp	4	3161	3157
Anhydrite	6	3167	3161
Gas Sand	13	3227	3167
Gray lime	47	3250	3227
Lime and anhydrite	23	3250	3227
FORMATION			
Red shale and salt	73	1680	1607
Anhydrite and salt	47	2127	1680
Anhydrite	48	2175	2127
Salt and potash	153	2328	2328
Anhydrite and streaks salt	47	2372	2372
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Anhydrite and salt	40	2975	2935
Anhydrite	1	2976	2975
Gyp	41	3017	2976
Anhydrite	11	3028	3017
Anhydrite and Gyp	2	3030	3028
Brown lime	30	3060	3030
Anhydrite (Show Gas 3030-3041)	30	3075	3060
Brown lime	15	3075	3075
Anhydrite	26	3101	3075
Anhydrite	51	3152	3101
Anhydrite and lime.	51	3157	3152
Gyp	4	3161	3157
Anhydrite	6	3167	3161
Gas Sand	13	3227	3167
Gray lime	47	3250	3227
Lime and anhydrite	23	3250	3227
FORMATION			
Red shale and salt	73	1680	1607
Anhydrite and salt	47	2127	1680
Anhydrite	48	2175	2127
Salt and potash	153	2328	2328
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Anhydrite	11	3028	3017
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Anhydrite	26	3101	3075
Anhydrite	51	3152	3101
Anhydrite and lime.	51	3157	3152
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FORMATION RECORD—Continued